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Preface

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This special issue of the Flow, Turbulence and Combustion Journal is dedicated to the topic of Turbulence, Heat and Mass Transfer, which continues to pose challenge despite decades of research and advancement. Novel experimental techniques and powerful computing hardware are unveiling ever new prospects for gaining deeper insight into turbulence structure, its interactions and effects on mixing, heat and mass transfer. The two reviews and seventeen contributing papers cover varied turbulence-related issues in single-phase, multi-phase and reacting/combusting flows, all focussing on the key role of turbulence in convective transport processes.

The papers originate from the 6th International Symposium under the same title that was held from September 14 to 18, 2009 at "Sapienza" University of Rome in Italy. Authors of the selected presentations were encouraged to submit fully-fledged manuscripts with a comprehensive coverage of their research topics. Each manuscript has been subject to review according to the regular Journal procedure. The Editors would like to thank the authors and reviewers for their timely response

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and efforts to make this special Journal issue a valuable contribution to the archival literature in the field of turbulence-related heat and mass transfer.

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